

CLAIMS

- [1] A hybrid plant having two or more copies of a fertility restorer gene at two or more gene loci which do not have a complete linkage relationship.
- [2] The hybrid plant according to Claim 1, which has two to four copies of a fertility restorer gene at two to four gene loci which do not have a complete linkage relationship.
- [3] The hybrid plant according to Claim 1 or 2, wherein multiple fertility restorer genes are located on distinct chromosomes.
- [4] The hybrid plant according to any one of Claims 1-3, wherein the fertility restorer gene is a gametic fertility restorer gene.
- [5] The hybrid plant according to any one of Claims 1-4, wherein the hybrid plant is rice and the fertility restorer gene is the rice restorer gene for BT-type male sterility.
- [6] The hybrid plant according to Claim 5, wherein the rice restorer gene for BT-type male sterility is a nucleic acid which encodes the amino acid sequence of SEQ ID NO.49, or an amino acid sequence which is at least 70% identical to the amino acid sequence of SEQ ID NO.49, and which functions to restore fertility.
- [7] A method for producing the hybrid plant of any one of Claims 1-6, comprising introducing a fertility restorer gene by genetic engineering and placing two or more copies

of a fertility restorer gene at two or more gene loci which do not have a complete linkage relationship.

[8] The method for producing according to Claim 7, which comprises:

- 5     1) introducing a fertility restorer gene by genetic engineering to produce a plant of fertility restoring line containing the fertility restorer genes homozygously at two or more loci; and
- 2) crossing the plant of fertility restoring line
- 10 produced by the step of 1) with a plant of sterility line.
- [9] A plant of fertility restoring line containing the fertility restorer genes homozygously at two or more loci.
- [10] The hybrid plant according to any one of Claims 1-6, having higher seed fertility under a low temperature
- 15 condition compared to a hetero individual of a single loci for the fertility restorer gene having only a single copy of the fertility restorer gene.